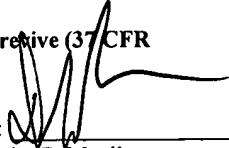


FORM PTO-1390 (REV 10-94)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 10921.423USWO
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/589586
INTERNATIONAL APPLICATION NO. PCT/JP2005/002449	INTERNATIONAL FILING DATE 17 February 2005	PRIORITY DATE CLAIMED 19 February 2004		
TITLE OF INVENTION THERMAL PRINthead				
APPLICANT(S) FOR DO/EO/US NAKANISHI et al.				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.				
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.				
3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l).				
4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.				
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))				
a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).				
b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.				
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)				
6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).				
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))				
a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).				
b. <input type="checkbox"/> have been transmitted by the International Bureau.				
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.				
d. <input checked="" type="checkbox"/> have not been made and will not be made.				
8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).				
9. <input checked="" type="checkbox"/> A signed oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).				
10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).				
Items 11. to 16. below concern document(s) or information included:				
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98, Form 1449, 4 references.				
12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.				
13. <input type="checkbox"/> A FIRST preliminary amendment.				
<input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.				
14. <input type="checkbox"/> A substitute specification.				
15. <input type="checkbox"/> A change of power of attorney and/or address letter.				
16. <input checked="" type="checkbox"/> Other items or information: International Publication Page, Verification of Translation, Application Data Sheet (4 pages), Form PCT Request, Form PCT/ISA./210, Form PCT/IB/304, 4 Sheets of Formal Drawings				

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown 10/589586		INTERNATIONAL APPLICATION NO. PCT/JP2005/002449		ATTORNEY'S DOCKET NUMBER 10921.423USWO	
BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):					
<input checked="" type="checkbox"/> a) Basic National fee.....\$300				\$300.00	
<input checked="" type="checkbox"/> b) Examination fee..... If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 All other situations.....\$200.00				\$200.00	
<input checked="" type="checkbox"/> c) Search fee..... If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100.00 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....\$400.00 All other situations.....\$500.00				\$400.00	
TOTAL OF ABOVE CALCULATIONS =				\$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets. The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets		Extra Sheets	Number of each additional set of 50 sheets, more than 100 sheets	Rate	
22	-100 =	0	/50 =	X \$250	\$0.00
Surcharge of \$130 for furnishing the oath or declaration later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
		CLAIMS (AS FILED)	NUMBER EXTRA	RATE	
Total claims		5	-20 = 0	X \$50	\$0.00
Independent claims		1	-3 = 0	X \$200	\$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$
TOTAL OF ABOVE CALCULATIONS =				\$900.00	
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27				\$	
SUBTOTAL =				\$900.00	
Processing fee of \$130 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+ \$	
TOTAL NATIONAL FEE =				\$900.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property				+ \$40.00	
TOTAL FEES ENCLOSED =				\$940.00	
				Amount to be refunded:	\$
				charged	\$
a. <input checked="" type="checkbox"/> Check(s) in the amount of \$900.00 and \$40.00 to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge the amount of \$ to cover the required filing fee for a large entity to the credit card listed on the enclosed credit card authorization form.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3478.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: Douglas P. Mueller Hamre, Schumann, Mueller & Larson, P.C. P.O. Box 2902-0902 Minneapolis, MN 55402					
				SIGNATURE:  NAME: Douglas P. Mueller REGISTRATION NUMBER: 30,300	

10/589586
IAP11 Rec'd PCT/PTO 16 AUG 2006

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: NAKANISHI et al.
Attorney Docket: 10921.423USWO
Title: THERMAL PRINTHEAD

CERTIFICATE UNDER 37 CFR 1.10

Express Mail mailing label number: EV858803113US

Date of Deposit: 16 AUGUST 2006

I hereby certify that the papers listed below are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 CFR 1.10 in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 
Name: Abbie Larkin

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

52835

PATENT TRADEMARK OFFICE

Sir:

The following papers are transmitted herewith:

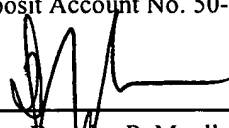
- ☒ Transmittal sheet, in duplicate, containing Certificate Under 37 CFR 1.10;
- ☒ National Stage Patent Application including: Description - 15 pages; Claims - 2 pages; Abstract - 1 page; Drawings - 4 sheets (formal);
- ☒ Signed Combined Declaration and Power of Attorney;
- ☒ Assignment of the invention to ROHM CO., LTD., Recordation Form Cover Sheet, a check for \$40.00 to cover the Assignment Recording Fee.
- ☒ Application Data Sheet - 4 pages;
- ☒ Information Disclosure Statement, Form 1449, 4 references
- ☒ Check(s) for the amount of \$900.00 to cover the filing fee calculated below;
- ☒ Return postcard
- ☒ Other: International Publication Page, Verification of Translation, Courtesy Copy of PCT/JP2005/002449 in Japanese, Form PCT Request, Form PCT/ISA./210, Form PCT/IB/304, Form PTO-1390

CLAIMS AS FILED

Number of Claims Filed	No.	In Excess of	Extra	Rate	Fee
Total Claims	5	20	0	50.00	= 0.00
Independent Claims	1	3	0	200.00	= 0.00
Multiple Dependent Claims Fee					= 0.00
Basic Filing Fee					= 300.00
Search Fee					= 400.00
Examination Fee					= 200.00
Utility Application Size Fee	22	100	0	250.00	= 0.00
Total					= \$900.00

Please charge any additional fees or credit overpayment to Deposit Account No. 50-3478. A duplicate of this sheet is enclosed.

Hamre, Schumann, Mueller & Larson, P.C.
P.O. Box 2902, Minneapolis, MN 55402-2902
612.455-3800

By: 
Name: Douglas P. Mueller
Reg. No: 30,300
Initials: DPM/hjm

(PTO TRANSMITTAL - NEW FILING)

International Application No.: PCT/JP2005/002449

International Filing Date: February 17, 2005

Assignee(s): Rohm Co., Ltd.

Title of the Invention: THERMAL PRINTHEAD

DECLARATION

I, kyoko NAKAGAWA, hereby declare:

that I am a translator belonging to KYOWEY INT'L of 2-32-1301 Tamatsukuri-Motomachi, Tennoji-ku, Osaka, 543-0014 Japan;

that I am well acquainted with both the Japanese and English languages;

that, for entering the national phase of the above-identified international application, I have prepared an English translation of the Japanese specification and claims as originally filed with the Japanese Patent Office (Receiving Office); and

that the said English translation corresponds to the said Japanese specification and claims to the best of my knowledge.

I also declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statements is directed.

Declared at Osaka, Japan on July 20, 2006

By Kyoko NAKAGAWA



Signature